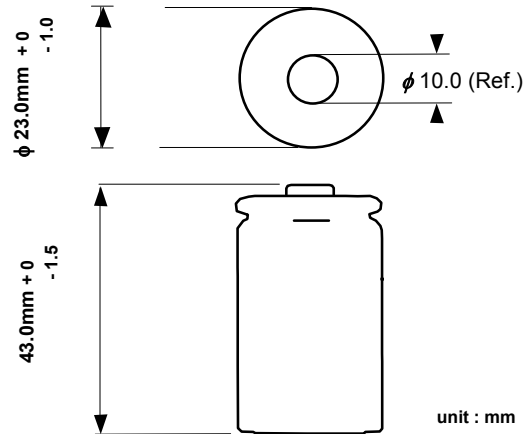
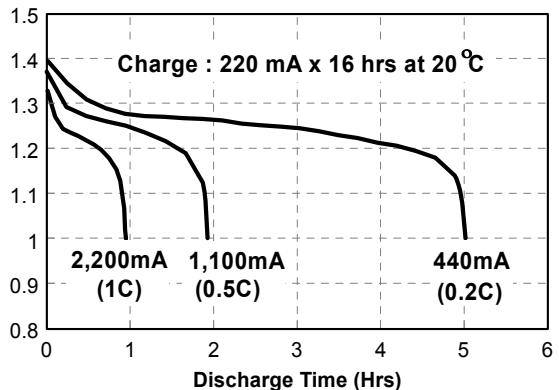


|  |  |
|--|--|
| <b>Type</b>                            | : Rechargeable Nickel Metal Hydride Cylindrical Cell   |
| <b>Nominal Dimension (with Sleeve)</b> | : $\Phi = 23.0\text{mm}$<br>H = 43.0mm   |
| <b>Applications</b>                    | : Recommended discharge current<br>220mA to 22A  |
| <b>Nominal Voltage</b>                 | : 1.2V   |
| <b>Capacity</b>                        | : Nominal: 2200mAh<br>Minimum: 2200mAh<br>Typical: 2310mAh<br>when discharged at 440mA to 1.0V at 20°C   |
| <b>Charging Condition</b>              | : 220mA for 16 hrs at 20°C   |
| <b>Fast Charge</b>                     | : 1100mA to 2200mA (0.5 to 1C)<br>charge termination control recommended<br>control parameters:<br>- $\Delta V$ : 0-5mV<br>DT/dt : 0.8°C/min (0.5 to 0.9C)<br>0.8 - 1°C/min (1C)<br>TCO : 45 - 50°C<br>Timer : 105% nominal input<br>(for ref. only) |
| <b>Service Life</b>                    | : >500 cycles (IEC standard)   |
| <b>Continuous Overcharge</b>           | : 220mA maximum current for 1 year.<br>No conspicuous deformation and/or Leakage   |
| <b>Weight</b>                          | : 55.0g  |
| <b>Internal Resistance</b>             | : Average 7m $\Omega$ upon fully charged<br>(Range 5-8m $\Omega$ ) at 1000Hz   |
| <b>Max. Charging Voltage</b>           | : 1.5V at 220mA charging   |
| <b>Ambient Temperature Range</b>       | : Standard Charge : 0 to 40°C<br>Fast Charging : 10 to 40°C<br>Discharge : -20 to 50°C<br>Storage : -20 to 35°C<br>Storage (1week) : -20 to 60°C   |

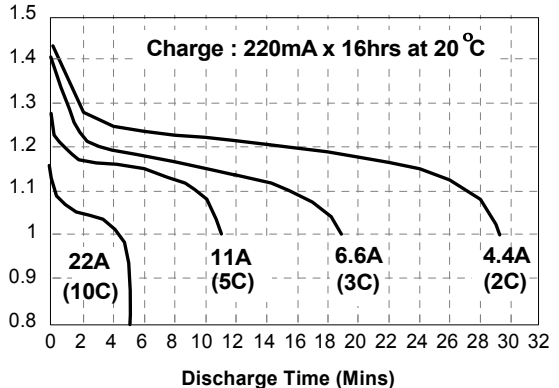
### Model No.: GP220SCH



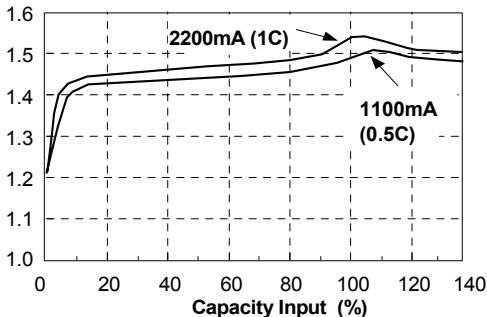
### Low Rate Discharge



### High Rate Discharge



### Fast Charge (Charge Control required)



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